

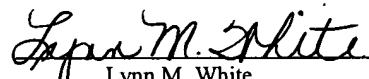
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: K. Ohtaki, T. Hiramitsu, D. Dawamura,  
T. Funayama, and K. Iwamoto Art Unit: 2832  
APPLICATION NO.: 10/823,160 Confirmation No. 4547  
FILED: April 13, 2004 Customer No. 23307  
ATTORNEY DOCKET No.: 27,702 USA  
TITLE: SWITCH DEVICE

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Certificate of Mailing

I certify that this document is being deposited with the U.S. Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 6, 2005.

  
Lynn M. White

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Second Supplemental Information Disclosure Statement  
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98

Sir:

This Information Disclosure Statement ("IDS") supplements the Supplemental IDS filed on October 26, 2004, and the IDS filed on April 13, 2004. Pursuant to Applicants' duty of disclosure set forth in 37 CFR §§1.56, 1.97 and 1.98, the following information is disclosed to aid the Examiner in his or her examination of the application. The inclusion of information in this Disclosure Statement and as set forth on the attached Form PTO-1449 is not necessarily a concession that such information is prior art to the present invention or that such information is in an art area analogous to the present invention. A copy of the non-U.S. patent publication listed on the attached Form PTO-1449 is submitted herewith.

Docket No. 27,702 USA

Application No. 10/823,160


The publications cited in this Supplemental IDS were brought to Applicants' attention in a European Search Report, dated January 25, 2005, issued in corresponding EPO Application No. EP 04 25 2089 (copy enclosed). Applicants note that the remaining publications listed on the European Search Report were made of record in the previously-filed Supplemental Information Disclosure Statement, dated October 26, 2004.

It is respectfully requested that the Examiner initial Form PTO-1449 and return a copy of same upon consideration of these publications.

Since this Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits, and within three months of the publications being cited in a foreign counterpart application, no fee or certification is required.


Respectfully submitted,

Date: April 6, 2005

  
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| <div style="text-align: center;">  <p><b>OFFICE OF INFORMATION DISCLOSURE CITATION</b><br/>(Use several sheets if necessary)</p> </div> | Docket Number (Optional)<br><b>27,702 USA</b> | Application Number<br><b>10/823,160</b> |
|  | Applicant(s)<br><b>K. Ohtaki et al.</b>       |   |
|  | Filing Date<br><b>April 13, 2004</b>          | Group Art Unit<br><b>2832</b>           |

| U.S. PATENT DOCUMENTS |     |                 |            |            |       |          |                               |
|-----------------------|-----|-----------------|------------|------------|-------|----------|-------------------------------|
| *EXAMINER<br>INITIAL  | REF | DOCUMENT NUMBER | DATE       | NAME       | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                       | AA  | 5,461,386       | 10/24/1995 | Knebelkamp | 342   | 44       |                               |
|                       |     |                 |            |            |       |          |                               |
|                       |     |                 |            |            |       |          |                               |
|                       |     |                 |            |            |       |          |                               |
|                       |     |                 |            |            |       |          |                               |

| U.S. PATENT APPLICATION PUBLICATIONS |     |                 |      |      |       |          |                               |
|--------------------------------------|-----|-----------------|------|------|-------|----------|-------------------------------|
| *EXAMINER<br>INITIAL                 | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                                      |     |                 |      |      |       |          |                               |
|                                      |     |                 |      |      |       |          |                               |
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|                                      |     |                 |      |      |       |          |                               |

| FOREIGN PATENT DOCUMENTS |     |                 |            |                |       |          |             |    |
|--------------------------|-----|-----------------|------------|----------------|-------|----------|-------------|----|
|                          | REF | DOCUMENT NUMBER | DATE       | COUNTRY        | CLASS | SUBCLASS | Translation |    |
|                          |     |                 |            |                |       |          | YES         | NO |
|                          | AB  | GB 2 204 353 A  | 11/09/2988 | United Kingdom | E05B  | 49/02    | ✓           |    |
|                          |     |                 |            |                |       |          |             |    |
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|                          |     |                 |            |                |       |          |             |    |
|                          |     |                 |            |                |       |          |             |    |

| OTHER DOCUMENTS |    |   | (Including Author, Title, Date, Pertinent Pages, Etc.) |
|-----------------|----|---|--|
|                 | AC | European Search Report, dated January 25, 2005, issued in corresponding EPO Application No. EP 04 25 2089.0 |  |
|                 |    |   |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.